

QP Code : **15460**

(3 Hours)

[Total Marks : 100

N.B. : (1) Question no. 1 is **compulsory**.(2) Attempt any **four** questions out of remaining **six** questions.

1. (a) What is test case? What are the objectives of testing? What are the different sources from which test cases can be selected explain in brief. 10
(b) Discuss the importance of code review rework and validation. 10
2. (a) What are the limitations of control flow based testing? Draw the CFG for binary search function. 10
(b) Explain why the presence of data flow anomaly does not imply that execution of the program will definitely produce incorrect results. 10
3. (a) Describe the difference between black-box and white-box testing techniques. 10
(b) What are zero day attacks? Discuss its significance with respect to security testing. 10
4. (a) Discuss the importance of regression testing when developing a new software release. What test cases from the test suite would be more useful in performing a regression test. 10
(b) Explain the boundary value testing with the help of example. 10
5. (a) Explain the difference between requirement testability and software testability. 10
(b) What are the objectives of the first, second and third system test cycles? Explain with the help of example. 10
6. (a) What are the objectives of acceptance testing? Explain the difference between UAT and BAT. 10
(b) Explain ISO 9126 quality characteristics. 10
7. (a) Explain in detail evaluation and selection of test automation tools. 10
(b) Explain the metrics for monitoring defect reports with the help of example. 10